

## **ABSTRACT OF THE DISCLOSURE**

A hydrophobic battery electrode formed of substantially hydrophobic particles and method therefor. The particles are rendered substantially hydrophobic through coating the individual particles with a comparatively hydrophobic polymer or metal. Optionally one or a combination of conductive materials and/or lithium salts may be included in the hydrophobic polymer coating to render the resulting particle both substantially hydrophobic and with one or a combination of increased ionic and electrical conductivity.